



PTO/SB/08A/B (09-06)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	0036119.00200US3
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Complete if Known

Application Number	41/283,288-Conf. #4075
Filing Date	November 18, 2005
First Named Inventor	Aranapakam M. Venkatesan
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	0036119.00200US3

10/693,915

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MB/	AA*	US-20030080312-A1	08-10-2004	Seddon et al.	
/	AB*	US-20040043978	03-01-2004	Venkatesan et al.	
/	AC*	US-20050101654-A1	09-26-2006	Weiberth et al.	
/	AD*	US-4,206,067	06-03-1980	MacKinnon	
/	AE*	US-4,891,369	01-02-1990	Torii et al.	
/	AF*	US-6,268,393	07-31-2001	Xu et al.	
/	AG*	US-7,018,997-A1	03-28-2006	Venkatesan et al.	
/MB/	AH*	US-7,112,582-A1	09-26-2006	Venkatesan et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
/MB/	BA	EP-0167050	01-08-1986	Beecham Group Plc		
/MB/	BB	WO-03/093277	11-13-2003	Wyeth Corp et al.		
/MB/	BC	WO-03/093279	11-13-2003	Wyeth Corp et al.		
/MB/	BD	WO-03/093280	11-13-2003	Wyeth Corp et al.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MB/	CA	BUSH, "β-Lactamases of Increasing Clinical Importance", Cur. Pharm. Design, 5:839-845 (1999)	
/	CB	BUSH, et al., "Kinetic Interactions of Tazobactam with β-Lactamases from All Major Structural Classes", Antimicrobial Agents and Chemotherapy, 37(4):851-858(1993)	
/	CC	CIGNARELLA, et al., "6-Chloro- and 6-Bromopenicillanic Acids", J. Org. Chem., 27:2668-2669 (1962)	
/	CD	COLEMAN, "Anti-Infectives: An Update on β-Lactamases and β-Lactamase Inhibitors", Expert Opin. Invest. Drugs, 4(8):693-704 (1995)	
/	CE	Grant and Hackh's Chemical Dictionary, Fifth Edition, page 412 (1987)	
/	CF	HASLAM, "Protection of Carboxyl Groups", Protective Groups in Organic Chemistry, Chapter 5, McOmie, ed., Plenum Press, pg. 183-215 (1973)	
/	CG	JONES, "Resistance Patterns Among Nosocomial Pathogens: Trends Over the Past Few Years", Chest, 119:397S-404S (2001)	
/MB/	CH	OSBORNE, et al., "A Novel and Stereocontrolled Synthesis of (5R)-(Z)-6-(1-Methyl-1,2,3-Triazol-4-Ylmethylene)Penem-3-Carboxylic Acid, A Potent Broad Spectrum β-Lactamase	

Examiner Signature	/Mark Berch/ (04/23/2007)	Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/283,288 Conf. #4075
				Filing Date	November 18, 2005
				First Named Inventor	Aranapakam M. Venkatesan
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	0036119.00200US3

10/693,315

		Inhibitor", Journal of The Chemical Society, Letchworth, Great Britain, 6:371-373 (1989)	
/MB/	CI	PAYNE, et al., "β-Lactamase Epidemiology and the Utility of Established and Novel β-Lactamase Inhibitors", Exp. Opin. Invest. Drugs, 9(2):247-261 (2000)	
/MB/	CJ	RIETSCHA, et al., "Collaborative Clinical Pharmacokinetics Service in a Community Hospital", Am. J. Hosp. Pharm., 41:463-477 (1984)	
/MB/	CK	SANDERS, "Cefepime: The Next Generation?", Clin. Infect. Dis., 17:369-379 (1993)	
/MB/	CL	SUTHERLAND, "β-Lactam/β-Lactamase Inhibitor Combinations: Development, Antibacterial Activity and Clinical Applications", Infection, 23(4):191-200 (1995)	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Mark Berch/ (04/23/2007)	Date Considered	
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PTO/SB/08A/B (09-08)

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/693,315-Conf. #1495
				Filing Date	October 24, 2003
				First Named Inventor	Takao Abe
				Art Unit	1624
				Examiner Name	M. L. Berch
Sheet	1	of	1	Attorney Docket Number	0036119.00227US1/AM100905

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MB/	AA*	US-20040053913	03-01-2004	Abe et al.	
/MB/	AB*	US-20040077622-A1	09-26-2006	Venkatesan et al.	
/MB/	AC*	US-20040132708	07-01-2004	Abe et al.	
/MB/	AD*	US-5,911,985	06-15-1999	Coleman et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
/MB/	BA	WO-91/12815	09-05-1991	Squibb Bristol Myers Co		
/MB/	BB	EP-0 313 458 A2	04-26-1989	Roussel Uclaf		
/MB/	BC	EP-0-313 458 B1	08-11-1993	Roussel Uclaf		

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/MB/	CA	WEISS, et al., "In Vitro and In Vivo Activities of Novel 6-Methylidene Penems as Bets-Lactamase Inhibitors", Antimicrobial Agents and Chemotherapy, 48(12):4589-4596 (2004)	
/MB/	CB	Invitation to Pay Additional Fees and Partial Search Report dated March 9, 2007 for PCT/US2006/032781	
/MB/	CC	Delphion Integrated View of EP0313458B1 dated March 29, 2007	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	11/200,200 Conf. #4075		
		Filing Date	November 18, 2005		
		First Named Inventor	Aranapakam M. Venkatesan		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	0036449-00200003

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Takao Abe
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MB/	AA*	US-20030080312-A1	08-10-2004	Seddon et al.	
	AB*	US-20040043978	03-01-2004	Venkatesan et al.	
	AC*	US-20050101654-A1	09-26-2006	Weiberth et al.	
	AD*	US-4,206,067	06-03-1980	MacKinnon	
	AE*	US-4,891,369	01-02-1990	Torii et al.	
	AF*	US-6,268,393	07-31-2001	Xu et al.	
	AG*	US-7,018,997-A1	03-28-2006	Venkatesan et al.	
/MB/	AH*	US-7,112,582-A1	09-26-2006	Venkatesan et al.	

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		Country Code* -Number* -Kind Code* (if known)				
/MB/	BA	EP-0167050	01-08-1986	Beecham Group Plc		
/MB/	BB	WO-03/093277	11-13-2003	Wyeth Corp et al.		
/MB/	BC	WO-03/093279	11-13-2003	Wyeth Corp et al.		
/MB/	BD	WO-03/093280	11-13-2003	Wyeth Corp et al.		

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/MB/	CA	BUSH, "β-Lactamases of Increasing Clinical Importance", Cur. Pharm. Design, 5:839-845 (1999)	
	CB	BUSH, et al., "Kinetic Interactions of Tazobactam with β-Lactamases from All Major Structural Classes", Antimicrobial Agents and Chemotherapy, 37(4):851-858(1993)	
	CC	CIGNARELLA, et al., "6-Chloro- and 6-Bromopenicillanic Acids", J. Org. Chem., 27:2668-2669 (1962)	
	CD	COLEMAN, "Anti-Infectives: An Update on β-Lactamases and β-Lactamase Inhibitors", Expert Opin. Invest. Drugs, 4(8):693-704 (1995)	
	CE	Grant and Hackh's Chemical Dictionary, Fifth Edition, page 412 (1987)	
	CF	HASLAM, "Protection of Carboxyl Groups", Protective Groups in Organic Chemistry, Chapter 5, McOmie, ed., Plenum Press, pg. 183-215 (1973)	
	CG	JONES, "Resistance Patterns Among Nosocomial Pathogens: Trends Over the Past Few Years", Chest, 119:397S-404S (2001)	
/MB/	CH	OSBORNE, et al., "A Novel and Stereocontrolled Synthesis of (5R)-(Z)-6-(1-Methyl-1,2,3-Triazol-4-Ylmethylene)Penem-3-Carboxylic Acid, A Potent Broad Spectrum β-Lactamase	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	11/283,288 Conf. #4076
				Filing Date	November 18, 2005
				First Named Inventor	Aranapakorn M. Venkatesan
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	0036419-00200063

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		Inhibitor", Journal of The Chemical Society, Letchworth, Great Britain, 6:371-373 (1989)	
/MB/	CI	PAYNE, et al., "β-Lactamase Epidemiology and the Utility of Established and Novel β-Lactamase Inhibitors", Exp. Opin. Invest. Drugs, 9(2):247-261 (2000)	
/MB/	CJ	RIETSCHA, et al., "Collaborative Clinical Pharmacokinetics Service in a Community Hospital", Am. J. Hosp. Pharm., 41:463-477 (1984)	
/MB/	CK	SANDERS, "Cefepime: The Next Generation?", Clin. Infect. Dis., 17:369-379 (1993)	
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